Funder	Project Title	Funding	Institution
Brain & Behavior Research Foundation	Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	$30,000	Whitehead Institute for Biomedical Research
Brain & Behavior Research Foundation	Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glial Co-cultures	$0	Whitehead Institute for Biomedical Research
Brain & Behavior Research Foundation	Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$0	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	A Novel Glial Specific Isoform of Cdkl5: Implications for the Pathology of Autism in Rett Syndrome	$0	University of Nebraska
Brain & Behavior Research Foundation	Understanding the Genetic Architecture of Rett Syndrome - an Autism Spectrum Disorder	$30,000	Cold Spring Harbor Laboratory
Brain & Behavior Research Foundation	Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	$30,000	University of North Carolina
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$153,479	Nemours Children's Health System, Jacksonville
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$290,609	Children's Hospital of Philadelphia
Autism Research Institute	Neuropathology of the Shank3 mouse model for autism	$1,100	University of Louisville
Autism Science Foundation	Alteration of Dendrite and Spine Number and Morphology in Human Prefrontal Cortex of Autism	$0	University of California, Davis
Autism Science Foundation	Role of astrocytic glutamate transporter GLT1 in Fragile X	$0	Tufts University
Autism Science Foundation	Mapping the Neurobehavioral Phenotype in Phelan McDermid Syndrome	$35,000	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Autism Science Foundation	The role of Shank3 in neocortex versus striatum and the pathophysiology of autism	$25,000	Duke University
Autism Science Foundation	GABA and Gamma-band Activity: Biomarker for ASD?	$0	University of Pennsylvania
Autism Speaks	Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	$51,400	University of California, San Francisco
Autism Speaks	Physiological studies in a human stem cell model of 15q duplication syndrome	$0	University of Connecticut
Autism Speaks	Pragmatic language and social-emotional processing in autism, fragile X, and the FMR1 premutation	$24,898	NORTHWESTERN UNIVERSITY
Autism Speaks	Probing the Molecular Mechanisms Underlying Autism: Examination of Dysregulated Protein Synthesis	$51,400	National Institutes of Health
Autism Speaks	A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$149,937	Boston Children's Hospital
Autism Speaks	Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	$0	University of North Carolina
Autism Speaks	Bi-directional regulation of Ube3a stability by cyclic AMP-dependent kinase	$0	University of North Carolina
Autism Speaks	Testing the ribosomal protein S6 as treatment target and biomarker in autism spectrum disorders	$59,995	Cincinnati Children's Hospital Medical Center
Autism Speaks	TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$147,806	Case Western Reserve University

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Autism Speaks	TMLHE deficiency and a carnitine hypothesis for autism	$0	Baylor College of Medicine
Autism Speaks	Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$149,044	King's College London
National Institutes of Health	MeCP2 Modulation of BDNF Signaling: Shared Mechanisms of Rett and Autism	$371,057	UNIVERSITY OF ALABAMA AT BIRMINGHAM
National Institutes of Health	Language Development in Fragile X Syndrome	$516,736	University of California, Davis
National Institutes of Health	BDNF and the Restoration of Synaptic Plasticity in Fragile X and Autism	$453,289	University of California, Irvine
National Institutes of Health	THE ROLE OF MECP2 IN RETT SYNDROME	$353,130	University of California, Davis
National Institutes of Health	Revealing protein synthesis defects in Fragile X Syndrome with new chemical tools	$347,427	Stanford University
National Institutes of Health	Investigating the role of Tsc1 in neocortical circuit assembly	$47,114	Stanford University
National Institutes of Health	THE ROLE OF MECP2 IN RETT SYNDROME	$100,000	University of California, Davis
National Institutes of Health	Cortactin and Spine Dysfunction in Fragile X	$33,319	University of California, Irvine
National Institutes of Health	Longitudinal MRI Study of Brain Development in Fragile X	$773,954	Stanford University
National Institutes of Health	Genotype-Phenotype Relationships in Fragile X Families	$564,704	University of California, Davis
National Institutes of Health	Genotype-Phenotype Relationships in Fragile X Families	$55,440	University of California, Davis
National Institutes of Health	Genetic Modifiers of Seizure Disorders in Fragile X Syndrome	$261,539	Emory University
National Institutes of Health	Imaging of protein synthesis and ubiquitination in fragile x syndrome	$234,000	Emory University
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$684,145	Emory University
National Institutes of Health	Targeting the PI3K Enhancer PIKE to Reverse FXS-associated Phenotypes	$206,000	Emory University
National Institutes of Health	A Family-Genetic Study of Autism and Fragile X Syndrome	$632,570	NORTHWESTERN UNIVERSITY
National Institutes of Health	Dysregulation of Protein Synthesis in Fragile X Syndrome	$1,060,826	National Institutes of Health
National Institutes of Health	Neuroactive Steroid GABAA Receptor Positive Modulators for Fragile X Syndrome	$62,748	SAGE THERAPEUTICS, INC.
National Institutes of Health	Analysis of MEF2 in Cortical Connectivity and Autism-Associated Behaviors	$53,282	MCLEAN HOSPITAL
National Institutes of Health	Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	$376,818	BETH ISRAEL DEACONESS MEDICAL CENTER
National Institutes of Health	Mechanisms Underlying the Cerebellar Contribution to Autism in Mouse Models of Tu	$190,458	CHILDREN'S HOSPITAL CORPORATION
National Institutes of Health	MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	$716,468	CHILDREN'S HOSPITAL CORPORATION

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National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	$615,631	HARVARD MEDICAL SCHOOL
National Institutes of Health	A Novel Essential Gene for Human Cognitive Function	$35,030	HARVARD MEDICAL SCHOOL
National Institutes of Health	Activity-dependent phosphorylation of MeCP2	$177,055	HARVARD MEDICAL SCHOOL
National Institutes of Health	MicroRNAs in Synaptic Plasticity and Behaviors Relevant to Autism	$131,220	Massachusetts General Hospital
National Institutes of Health	Novel candidate mechanisms of fragile X syndrome	$248,873	UNIVERSITY OF MICHIGAN
National Institutes of Health	Mechanisms of Motor Skill Learning in the Fragile X Mouse Model	$299,510	University of Nebraska
National Institutes of Health	Identification of TSC cellular phenotypes using patient-derived iPSCs	$229,322	Rutgers University
National Institutes of Health	Phagocytosis is misregulated in a Drosophila model of Fragile X syndrome	$27,349	Columbia University
National Institutes of Health	Allelic Choice in Rett Syndrome	$390,481	WINIFRED MASTERSON BURKE MED RES INST
National Institutes of Health	Translation, Synchrony, and Cognition	$376,430	New York University
National Institutes of Health	Dysregulation of mTOR Signaling in Fragile X Syndrome	$487,251	ALBERT EINSTEIN COLLEGE OF MEDICINE
National Institutes of Health	A Longitudinal MRI Study of Brain Development in Fragile X Syndrome	$548,356	University of North Carolina
National Institutes of Health	Role of UBE3A in the Central Nervous System	$321,269	University of North Carolina
National Institutes of Health	New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	$396,250	CLEVELAND CLINIC LERNER COM-CWRU
National Institutes of Health	Phenotypic Characterization of MECP2 Mice	$66,830	Children's Hospital of Philadelphia
National Institutes of Health	Presynaptic Fragile X Proteins	$249,000	DREXEL UNIVERSITY
National Institutes of Health	Emergence and Stability of Autism in Fragile X Syndrome	$358,000	UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
National Institutes of Health	Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	$53,132	UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
National Institutes of Health	Predicting Phenotypic Trajectories in Prader-Willi Syndrome	$302,050	Vanderbilt University
National Institutes of Health	mTOR modulation of myelination	$179,659	Vanderbilt University
National Institutes of Health	Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	$394,554	Vanderbilt University
National Institutes of Health	FMRP regulates the pruning of cell-to-cell connections in the neocortex	$79,500	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	$92,578	BAYLOR COLLEGE OF MEDICINE
National Institutes of Health	Mechanisms of mGluR5 function and dysfunction in mouse autism models	$405,319	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$387,160	UT SOUTHWESTERN MEDICAL CENTER

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National Institutes of Health	Development and afferent regulation of auditory neurons	$386,250	University of Washington
National Institutes of Health	Translational Regulation of Adult Neural Stem Cells	$372,621	University of Wisconsin
Simons Foundation	Mesocorticolimbic dopamine circuitry in mouse models of autism	$174,944	Stanford University
Simons Foundation	Rapid screening for cortical circuit dysfunction in autism-related mouse models	$59,835	University of California, Berkeley
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	$196,290	University of California, San Francisco
Simons Foundation	Restoring cortical plasticity in a Rett mouse model	$0	Stanford University
Simons Foundation	Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	$0	Stanford University
Simons Foundation	Role of GABA interneurons in a genetic model of autism	$187,455	Yale University
Simons Foundation	Cerebellar plasticity and learning in a mouse model of austim	$60,000	University of Chicago
Simons Foundation	Dysregulation of Mdm2-mediated p53 ubiquitination in autism mouse models	$60,000	University of Illinois at Chicago
Simons Foundation	The Role of Glia in Fragile X Syndrome	$60,000	Johns Hopkins University
Simons Foundation	Translational dysregulation in autism pathogenesis and therapy	$125,000	Massachusetts General Hospital
Simons Foundation	Probing the neural basis of social behavior in mice	$62,500	Massachusetts Institute of Technology
Simons Foundation	The role of UBE3A in autism	$125,001	Harvard Medical School
Simons Foundation	Genetically defined stem cell models of Rett and fragile X syndrome	$175,000	Whitehead Institute for Biomedical Research
Simons Foundation	Probing synaptic receptor composition in mouse models of autism	$249,994	Boston Children's Hospital
Simons Foundation	Dendritic 'translatome' in fragile X syndrome and autism	$60,000	University of Michigan
Simons Foundation	Multigenic basis for autism linked to 22q13 chromosomal region	$249,999	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
Simons Foundation	Neural and cognitive discoordination in autism-related mouse models	$277,072	New York University
Simons Foundation	Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$124,496	New York University
Simons Foundation	Cortical inhibition and disrupted vocal perception in MeCP2 +/- mice	$81,970	Cold Spring Harbor Laboratory
Simons Foundation	Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	$0	Columbia University
Simons Foundation	Characterizing 22q11.2 abnormalities	$124,995	Children's Hospital of Philadelphia
Simons Foundation	Genetic contribution to language-related preclinical biomarkers of autism	$0	University of Pennsylvania

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Simons Foundation	Linking genetic mosaicism, neural circuit abnormalities and behavior	$62,500	Brown University
Simons Foundation	Fragile X syndrome target analysis and its contribution to autism	$249,272	Vanderbilt University
Simons Foundation	Motor cortex plasticity in MeCP2 duplication syndrome	$62,500	Baylor College of Medicine
Simons Foundation	Mechanisms of synapse elimination by autism-linked genes	$150,000	University of Texas Southwestern Medical Center
Simons Foundation	Mouse Model of Dup15q Syndrome	$670	Texas AgriLife Research
Simons Foundation	Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$200,000	University of Washington
Simons Foundation	MAGEL2, a candidate gene for autism and Prader-Willi syndrome	$52,224	University of Alberta
Simons Foundation	The role of UBE3A in autism: Is there a critical window for social development?	$108,900	Erasmus University Medical Center
Simons Foundation	16p11.2 rearrangements: Genetic paradigms for neurodevelopmental disorders	$100,000	University of Lausanne
Simons Foundation	Connections between autism, serotonin and hedgehog signaling	$0	Medical Research Council-National Institute for Medical Research